

Data Path : W:\HPCHEM1\MSVOA\_U\DATA\VU051118\  
 Data File : VU023804.D  
 Acq On : 11 May 2018 16:35  
 Operator : MD/SY  
 Sample : J2816-08  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: May 12 02:10:33 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_U\METHOD\SOMUTR051018WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat May 12 02:07:11 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 121330   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 125839   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 55377    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 52833    | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 109.20% |
| 7) Chloroethane-d5             | 1.68   | 69    | 43546    | 6.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 122.00% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 74897    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 88.20%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 114415   | 50.76    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.52% |
| 24) Chloroform-d               | 4.65   | 84    | 74835    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.32   | 65    | 44889    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.40% |
| 32) Benzene-d6                 | 5.34   | 84    | 164018   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.34   | 67    | 55555    | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%  |
| 41) Toluene-d8                 | 7.57   | 98    | 137817   | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.60%  |
| 43) trans-1,3-Dichloropropene- | 7.86   | 79    | 17635    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.00%  |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 84271    | 49.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 98.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 40573    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.87  | 152   | 55102    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 103.80% |

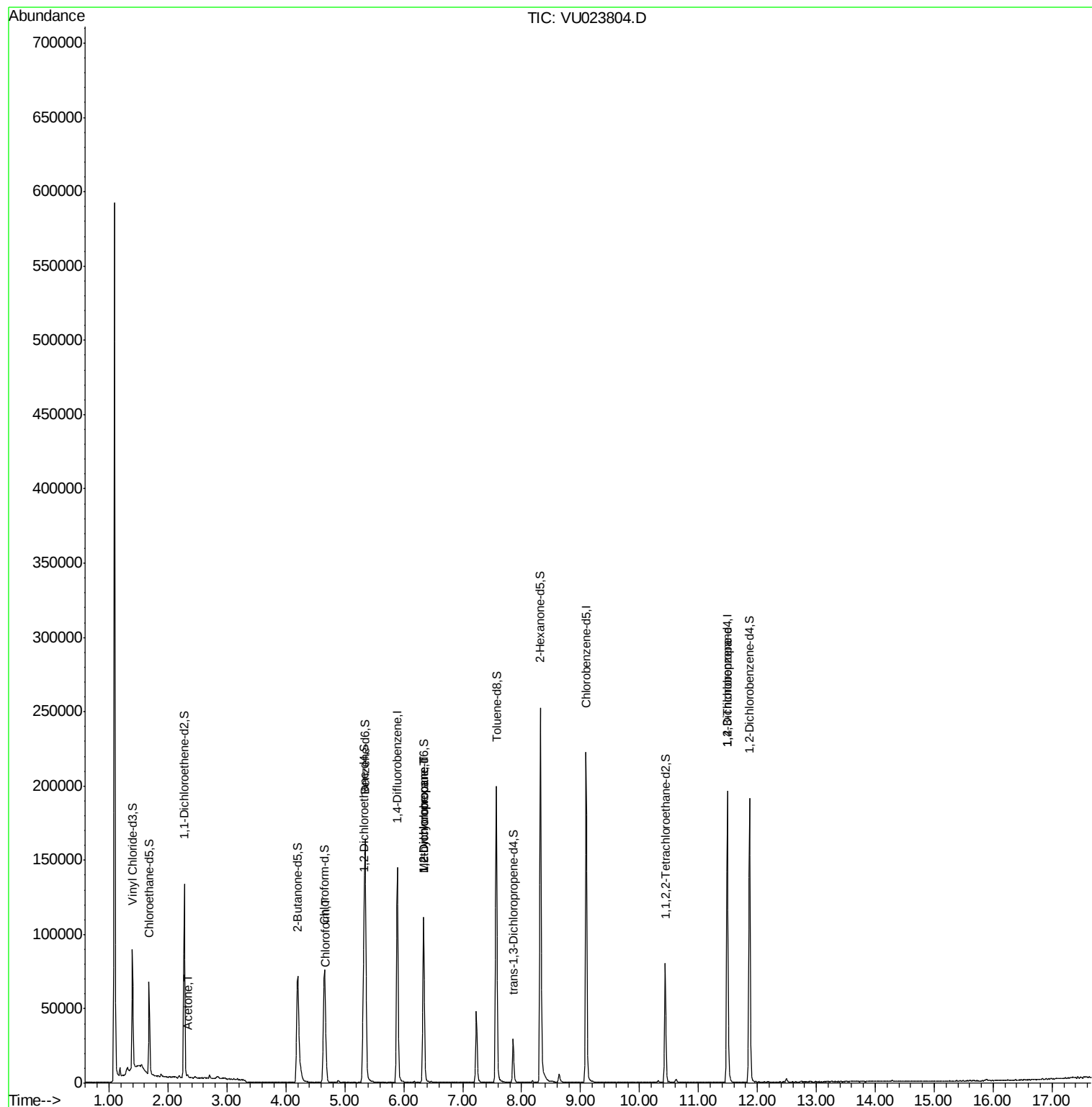
## Target Compounds

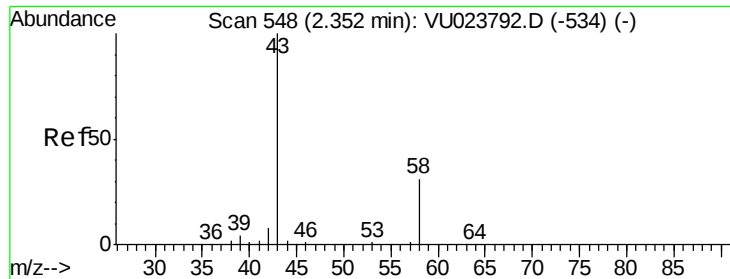
|                            |       |    |       |             | Qvalue |
|----------------------------|-------|----|-------|-------------|--------|
| 13) Acetone                | 2.33  | 43 | 995   | 0.64 ug/L   | 74     |
| 25) Chloroform             | 4.68  | 83 | 9812  | 0.55 ug/L   | 90     |
| 35) Methylcyclohexane      | 6.34  | 83 | 12662 | 0.84 ug/L # | 15     |
| 37) 1,2-Dichloropropane    | 6.34  | 63 | 5771  | 0.53 ug/L # | 89     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75 | 5982  | 0.99 ug/L   | 96     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 0.64 ug/L

RT: 2.33 min Scan# 541

Delta R.T. -0.02 min

Lab File: VU023804.D

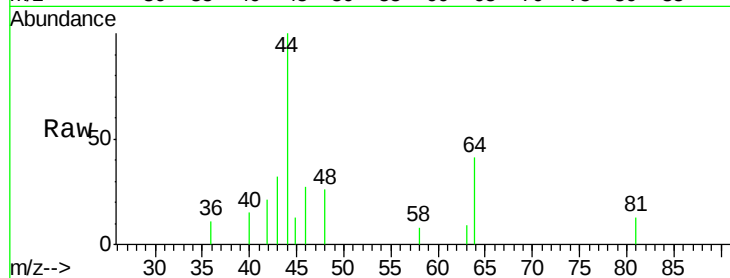
Acq: 11 May 2018 16:35

Tgt Ion: 43 Resp: 995

Ion Ratio Lower Upper

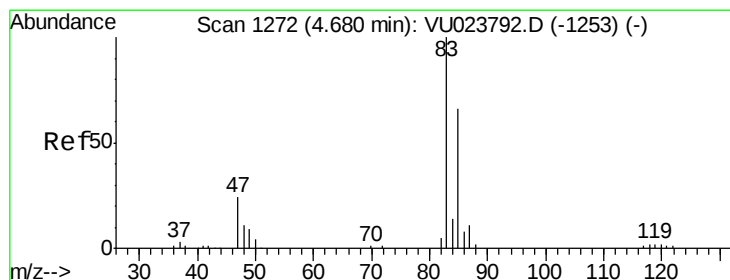
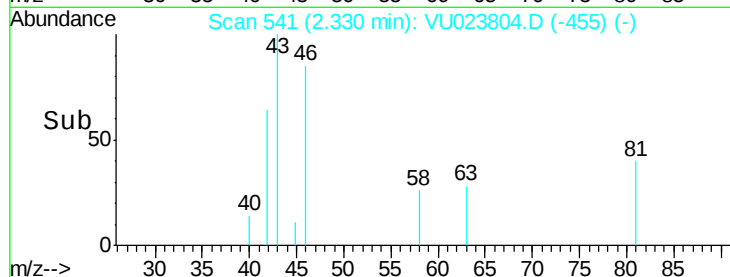
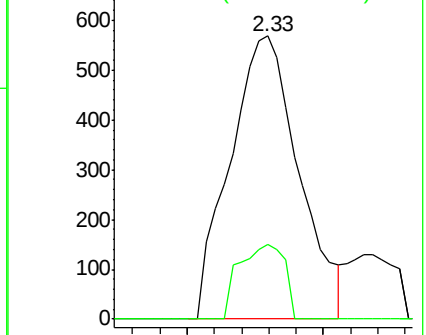
43 100

58 17.3 0.0 64.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.55 ug/L

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU023804.D

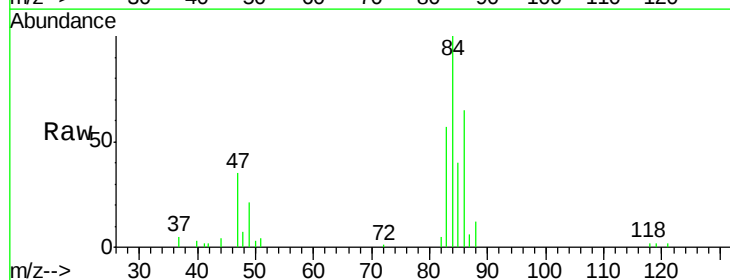
Acq: 11 May 2018 16:35

Tgt Ion: 83 Resp: 9812

Ion Ratio Lower Upper

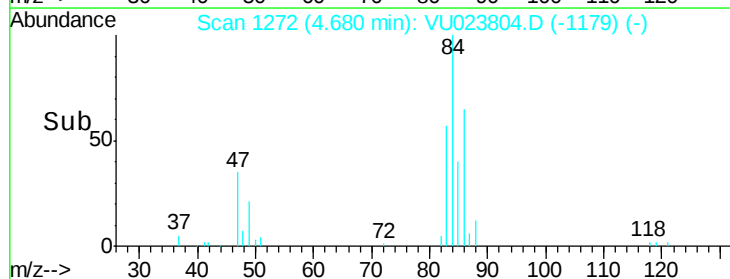
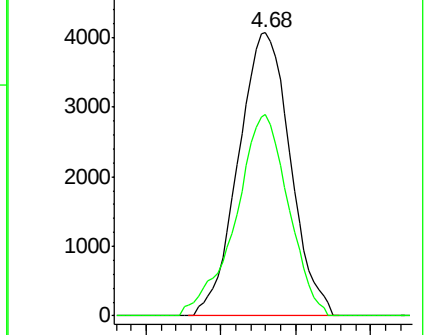
83 100

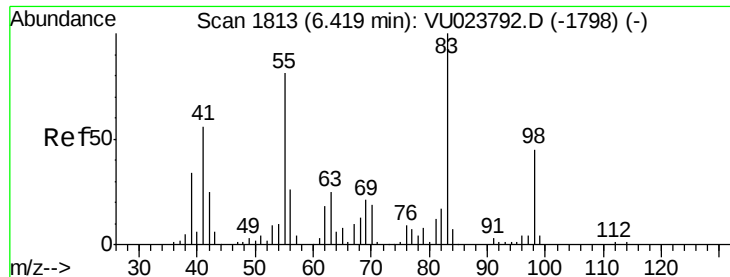
85 71.3 44.7 82.9



Abundance Ion 83.05 (82.75 to 83.75): VU0

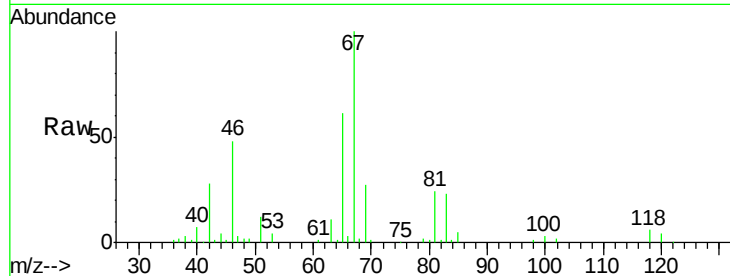
Ion 85.00 (84.70 to 85.70): VU0



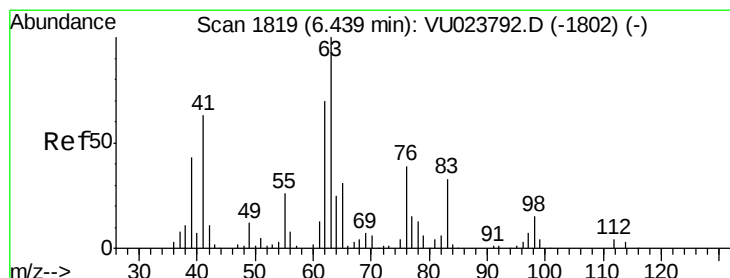
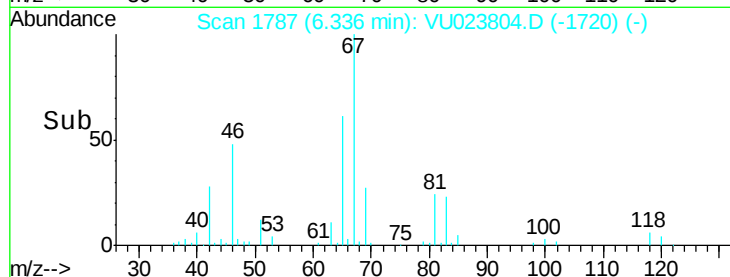
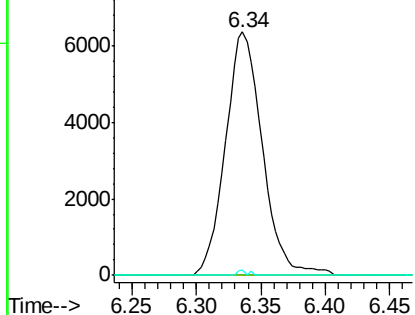


#35  
Methylcyclohexane  
Concen: 0.84 ug/L  
RT: 6.34 min Scan# 1787  
Delta R.T. -0.08 min  
Lab File: VU023804.D  
Acq: 11 May 2018 16:35

Tgt Ion: 83 Resp: 12662  
Ion Ratio Lower Upper  
83 100  
55 0.0 69.1 103.7#  
98 0.6 37.8 56.8#

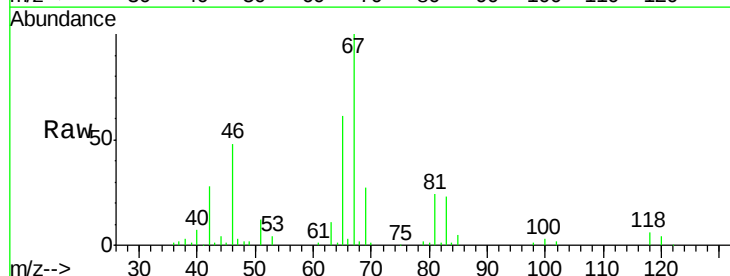


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

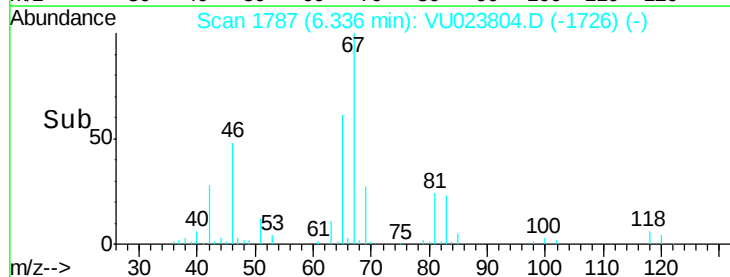
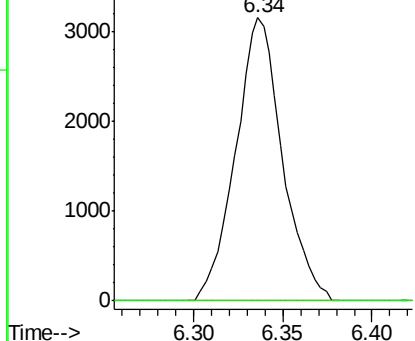


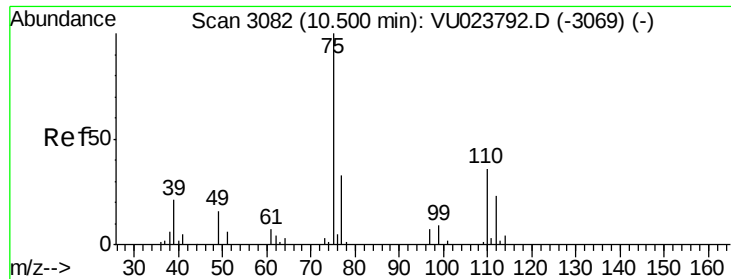
#37  
1,2-Dichloropropane  
Concen: 0.53 ug/L  
RT: 6.34 min Scan# 1787  
Delta R.T. -0.10 min  
Lab File: VU023804.D  
Acq: 11 May 2018 16:35

Tgt Ion: 63 Resp: 5771  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V





#59

1,2,3-Trichloropropane

Concen: 0.99 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU023804.D

Acq: 11 May 2018 16:35

Tgt Ion: 75 Resp: 5982

Ion Ratio Lower Upper

75 100

77 35.0 26.1 39.1

